

EAST Search History**EAST Search History (Prior Art)**

| Ref # | Hits | Search Query | DBs | Default Operator | Plurals | Time Stamp |
|-------|------|---|---|------------------|---------|---------------------|
| L1 | 4364 | (acquir\$3 or obtaining)adj image\$1 and(biometric or fingerprint or finger adj print or skin or skin adj covered adj body adj part)and (contrast or intensity or brightness or grey or gary or shades or values or ranges)and pixel\$1 | US_PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/09/18 14:44 |
| L2 | 1607 | L1 and subsets and pixel\$1 and(encod\$3 or code)and(subset or candidate) | US_PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/09/18 14:47 |
| L3 | 4661 | (acquir\$3 or obtaining)adj image\$1 and(biometric or fingerprint or finger adj print or skin or skin adj covered adj body adj part or finger adj tip or palm adj hand or nose adj tip or ear)and(contrast or intensity or brightness or grey or gary or shades or values or ranges) and pixel\$1 | US_PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/09/18 14:49 |
| L4 | 1636 | L3 and subsets and pixel\$1 and(encod\$3 or code)and(subset or candidate) | US_PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/09/18 14:49 |
| L5 | 9 | L4 and(plurality or plural\$1)same subsets same pixel\$1 same(encod\$4 or digital adj code or code\$3) | US_PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/09/18 14:50 |
| L6 | 5 | L5 and(@ad<"20050913" or @lad<"20050913" or @prad<"20050913" or @ptad<"20050913") | US_PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/09/18 14:55 |

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|-----|----|--|---|----|----|---------------------|
| L7 | 4 | L5 and @ad<"20050913" | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/09/18 14:55 |
| L8 | 4 | L7 and(acquir\$3 or obtaining)adj image\$1 and(biometric or fingerprint or finger adj print or skin or skin adj covered adj body adj part or finger adj tip or palm adj hand or nose adj tip or ear) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/09/18 15:00 |
| L9 | 4 | L8 and(two adj pixel or two or dual adj pixe3l)and(shade adj values or range or gray or grey or RGB or color or colour) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/09/18 15:07 |
| L10 | 0 | L9 and(detect\$3 or determining)and geometric adj measur\$4 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/09/18 15:09 |
| L11 | 11 | (acquir\$3 or obtaining or generat\$3)adj image\$1 and(biometric or fingerprint or finger adj print or skin or skin adj covered adj body adj part or finger adj tip or palm adj hand or nose adj tip or ear)and (contrast or intensity or brightness or grey or gary or shades or values or ranges)and(pixel\$1 or code or encoded)and geometric adj measure | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/09/18 15:17 |
| L12 | 5 | L11 and subsets and pixel\$1 and(encod\$3 or code)and(subset or candidate) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/09/18 15:18 |
| L14 | 4 | L12 and(plurality or plural\$1)same subsets same pixel\$1 same(encod\$4 or digital adj code or code\$3) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/09/18 15:18 |
| L15 | 4 | L14 and(two adj pixel or two or dual adj pixe3l)and(shade adj values or range or gray or grey or RGB or color or colour) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/09/18 15:19 |

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| L16 | 3 | L15 and(detect\$3 or determining)and geometric and measur\$4 | US_PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/09/18 15:20 |
| L19 | 0 | L16 and(@ad<"20050913" or @rlad<"20050913" or @prad<"20050913" or @ptad<"20050913") | US_PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/09/18 15:20 |
| L20 | 0 | L16 and(@ad<"20050913" or @rlad<"20050913" or @prad<"20050913" or @ptad<"20050913") | US_PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/09/18 15:26 |
| L21 | 4106 | (382/124,125,115,124,190,181,288,286,204,203).CCLS. | USPAT | OR | OFF | 2009/09/18 15:32 |
| L22 | 1 | L21 and(acquir\$3 or obtaining or generat\$3)adj image\$1 and (biometric or fingerprint or finger adj print or skin or skin adj covered adj body adj part or finger adj tip or palm adj hand or nose adj tip or ear)and(contrast or intensity or brightness or grey or gary or shades or values or ranges)and(pixel\$1 or code or encoded)and geometric adj measure | USPAT | OR | ON | 2009/09/18 15:33 |
| L24 | 1 | L22 and(acquir\$3 or obtaining or generat\$3)adj image\$1 and (fingerprint or finger adj print or skin or skin adj covered adj body adj part or finger adj tip or palm adj hand or nose adj tip or ear) | USPAT | OR | ON | 2009/09/18 15:34 |
| L25 | 1 | L24 and(two adj pixel or two or dual adj pixe3l)and(shade adj values or range or gray or grey or RGB or color or colour) | USPAT | OR | ON | 2009/09/18 15:36 |
| L26 | 1 | L25 and(@ad<"20050913" or @rlad<"20050913" or @prad<"20050913" or @ptad<"20050913") | US_PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/09/18 15:37 |
| L28 | 1 | L26 and(detect\$3 or determining)and geometric and measur\$4 | US_PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/09/18 15:38 |

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| L29 | 1 | L26 and(detect\$3 or determining)and geometric adj measur\$4 | USPAT | OR | ON | 2009/09/18 15:38 |
| L30 | 0 | L29 and(encod\$4 or code or alphanumeric adj code or digital adj code or code\$3)and(generat\$3 or obtaining or acquir\$4) same(fingerprint or finger adj print or skin or skin adj covered adj body adj part or finger adj tip or palm adj hand or nose adj tip or ear) | USPAT | OR | ON | 2009/09/18 15:45 |
| L31 | 0 | L29 and(encod\$4 or code or alphanumeric adj code or digital adj code or code\$3)and(generat\$3 or obtaining or acquir\$4) | USPAT | OR | ON | 2009/09/18 15:46 |
| L32 | 1 | L9 and(encod\$4 or code or alphanumeric adj code or digital adj code or code\$3)and(generat\$3 or obtaining or acquir\$4) same(fingerprint or finger adj print or skin or skin adj covered adj body adj part or finger adj tip or palm adj hand or nose adj tip or ear) | USPAT | OR | ON | 2009/09/18 16:00 |
| L33 | 1 | L9 and(generat\$3 or obtaining or acquir\$4)same(fingerprint or finger adj print or skin or skin adj covered adj body adj part or finger adj tip or palm adj hand or nose adj tip or ear) | USPAT | OR | ON | 2009/09/18 16:01 |
| L34 | 1 | "7088854".pn. | USPAT | OR | ON | 2009/09/18 16:02 |
| L35 | 1 | L34 and(generat\$3 or obtaining or acquir\$4)same(fingerprint or finger adj print or skin or skin adj covered adj body adj part or finger adj tip or palm adj hand or nose adj tip or ear) | USPAT | OR | ON | 2009/09/18 16:02 |
| L36 | 0 | L34 and(skin or skin adj covered adj body adj part or finger adj tip or palm adj hand or nose adj tip or ear) | USPAT | OR | ON | 2009/09/18 16:03 |
| L38 | 649 | (340/5.52,5.53,5.82,5.83).CLS. | USPAT | OR | OFF | 2009/09/18 16:07 |
| L39 | 0 | L38 and(acquir\$3 or obtaining or generat\$3)adj image\$1 and (biometric or fingerprint or finger adj print or skin or skin adj covered adj body adj part or finger adj tip or palm adj hand or nose adj tip or ear)and(contrast or intensity or brightness or grey or gary or shades or values or ranges)and(pixel\$1 or code or encoded)and geometric adj measure | USPAT | OR | ON | 2009/09/18 16:07 |
| L40 | 103 | L38 and(acquir\$3 or obtaining or generat\$3)adj image\$1 and (fingerprint or finger adj print or skin or skin adj covered adj body adj part or finger adj tip or palm adj hand or nose adj tip or ear) | USPAT | OR | ON | 2009/09/18 16:08 |
| L41 | 67 | L40 and(two adj pixel or two or dual adj pixe\$1)and(shade adj values or range or gray or grey or RGB or color or colour) | USPAT | OR | ON | 2009/09/18 16:09 |
| L42 | 0 | L41 and(detect\$3 or determining)and geometric adj measur\$4 | USPAT | OR | ON | 2009/09/18 16:09 |

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|-----|------|--|---|----|-----|---------------------|
| L43 | 12 | L41 and(detect\$3 or determining)and geometric and measur\$4 | USPAT | OR | ON | 2009/09/18 16:09 |
| L44 | 7 | L43 and(encod\$4 or code or alphanumeric adj code or digital adj code or code\$3)and(generat\$3 or obtaining or acquir\$4) same(fingerprint or finger adj print or skin or skin adj covered adj body adj part or finger adj tip or palm adj hand or nose adj tip or ear) | USPAT | OR | ON | 2009/09/18 16:10 |
| L45 | 7 | L44 and(two adj pixel or two or dual adj pixe3l)and(shade adj values or range or gray or grey or RGB or color or colour) | USPAT | OR | ON | 2009/09/18 16:11 |
| L46 | 7 | L45 and(generat\$3 or obtaining or acquir\$4)same(fingerprint or finger adj print or skin or skin adj covered adj body adj part or finger adj tip or palm adj hand or nose adj tip or ear) | USPAT | OR | ON | 2009/09/18 16:11 |
| L49 | 0 | L29 and(subset or candidate) | USPAT | OR | ON | 2009/09/18 16:34 |
| L50 | 4 | L8 and(subset or candidate) | US_PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/09/18 16:36 |
| L51 | 0 | L50 and(skin or skin adj covered adj body adj part or finger adj tip or palm adj hand or nose adj tip or ear) | US_PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/09/18 16:37 |
| L52 | 4 | L50 and(skin or skin adj covered adj body adj part or finger adj tip or palm adj hand or nose adj tip or ear or fingerprint or finger adj print) | US_PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/09/18 16:38 |
| L53 | 1560 | (345/157).CCLS. | USPAT | OR | OFF | 2009/09/18 16:44 |
| L54 | 952 | (356/71).CCLS. | USPAT | OR | OFF | 2009/09/18 16:44 |
| L55 | 24 | L53 and(acquir\$3 or obtaining or generat\$3)adj image\$1 and (fingerprint or finger adj print or skin or skin adj covered adj body adj part or finger adj tip or palm adj hand or nose adj tip or ear) | USPAT | OR | ON | 2009/09/18 16:45 |
| L56 | 6 | L55 and(subset or candidate) | USPAT | OR | ON | 2009/09/18 16:45 |

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| L57 | 0 | L56 and(detect\$3 or determining)and geometric adj measur\$4 | USPAT | OR | ON | 2009/09/18 16:46 |
| L58 | 0 | L56 and(detect\$3 or determining)and geometric and measur\$4 | USPAT | OR | ON | 2009/09/18 16:46 |
| L59 | 3 | L56 and(encod\$4 or code or alphanumeric adj code or digital adj code or code\$3)and(generat\$3 or obtaining or acquir\$4) same(fingerprint or finger adj print or skin or skin adj covered adj body adj part or finger adj tip or palm adj hand or nose adj tip or ear) | USPAT | OR | ON | 2009/09/18 16:47 |
| L60 | 2 | L59 and(two adj pixel or two or dual adj pixe3l)and(shade adj values or range or gray or grey or RGB or color or colour) | USPAT | OR | ON | 2009/09/18 16:48 |
| L61 | 53 | L54 and(acquir\$3 or obtaining or generat\$3)adj image\$1 and(fingerprint or finger adj print or skin or skin adj covered adj body adj part or finger adj tip or palm adj hand or nose adj tip or ear) | USPAT | OR | ON | 2009/09/18 16:54 |
| L62 | 16 | L61 and(encod\$4 or code or alphanumeric adj code or digital adj code or code\$3)and(generat\$3 or obtaining or acquir\$4) same(fingerprint or finger adj print or skin or skin adj covered adj body adj part or finger adj tip or palm adj hand or nose adj tip or ear) | USPAT | OR | ON | 2009/09/18 16:55 |
| L63 | 4 | L62 and(subset or candidate) | USPAT | OR | ON | 2009/09/18 16:55 |
| L64 | 1 | L63 and(detect\$3 or determining)and geometric and measur\$4 | USPAT | OR | ON | 2009/09/18 16:55 |
| L66 | 6382 | (encod\$4 or code or alphanumeric adj code or digital adj code or code\$3)same(generat\$3 or obtaining or acquir\$4) same(fingerprint or finger adj print or skin or skin adj covered adj body adj part or finger adj tip or palm adj hand or nose adj tip or ear) | US_PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/09/18 17:04 |
| L67 | 579 | L66 and (plurality or plural\$1)same(subset or candidate) | US_PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/09/18 17:05 |
| L68 | 2 | L59 and(two adj pixel or two or dual adj pixe3l)same(shade adj values or range or gray or grey or RGB or color or colour) | US_PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/09/18 17:05 |

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|-----|---------|---|---|----|----|---------------------|
| L69 | 0 | L68 and(detect\$3 or determining)and geometric adj measur\$5 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/09/18 17:06 |
| L70 | 0 | L68 and(detect\$3 or determining)and geometric and measur\$5 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/09/18 17:09 |
| L71 | 3 | (encod\$4 or code or alphanumeric adj code or digital adj code or code \$3)same(generat\$3 or obtaining or acquir\$4) same(fingerprint or finger adj print or skin or skin adj covered adj body adj part or finger adj tip or palm adj hand or nose adj tip or ear)same geometric adj measur\$5 same digital adj code | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/09/18 17:11 |
| S1 | 3973751 | biometric and skin adj body and geometric adj measur\$4 and subsets ands pixel\$1 and code | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/12/30 15:57 |
| S2 | 3569993 | S1 and (@ad<"20050913" or @rlad<"20050913" or @prad<"20050913" or @ptad<"20050913") | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/12/30 16:04 |
| S3 | 2 | biometric and skin adj covered adj body adj part and geometric adj measur\$4 and subsets and pixel\$1 and encod\$3 and digital adj code | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/12/30 16:06 |
| S4 | 0 | S3 and (@ad<"20050913" or @rlad<"20050913" or @prad<"20050913" or @ptad<"20050913") | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/12/30 16:06 |
| S5 | 3 | ((ROLAND) near2 (WALCH)).INV. | US-PGPUB; USPAT | OR | ON | 2008/12/30 16:08 |

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|-----|---|--|--|----|-----|---------------------|
| S6 | 6 | ((("6195447") or ("6532301") or ("6819219") or ("20040036574).pn")) PN. | :US_PGPUB; :USPAT; EPO; :JPO; :DERWENT; :IBM_TDB | OR | OFF | 2008/12/30 16:22 |
| S7 | 0 | S6 and biometric and skin adj covered adj body adj part and geometric adj measur\$4 and subsets and pixel\$1 and encod\$3 and digital adj code | :US_PGPUB; :USPAT; EPO; :JPO; :DERWENT; :IBM_TDB | OR | ON | 2008/12/30 16:22 |
| S8 | 0 | S6 and biometric and skin adj covered adj body adj part | :US_PGPUB; :USPAT; EPO; :JPO; :DERWENT; :IBM_TDB | OR | ON | 2008/12/30 16:23 |
| S9 | 0 | S6 and biometric and skin | :US_PGPUB; :USPAT; EPO; :JPO; :DERWENT; :IBM_TDB | OR | ON | 2008/12/30 16:23 |
| S10 | 4 | S6 and (biometric or fingerprint or finger adj print or skin) | :US_PGPUB; :USPAT; EPO; :JPO; :DERWENT; :IBM_TDB | OR | ON | 2008/12/30 16:24 |
| S11 | 0 | S10 and geometric adj measur\$4 and subsets and pixel\$1 and(encod \$3 or code) | :US_PGPUB; :USPAT; EPO; :JPO; :DERWENT; :IBM_TDB | OR | ON | 2008/12/30 16:25 |
| S12 | 0 | S10 and subsets and pixel\$1 and(encod\$3 or code) | :US_PGPUB; :USPAT; EPO; :JPO; :DERWENT; :IBM_TDB | OR | ON | 2008/12/30 16:25 |
| S13 | 0 | S10 and pixel\$1 and(encod\$3 or code) | :US_PGPUB; :USPAT; EPO; :JPO; :DERWENT; :IBM_TDB | OR | ON | 2008/12/30 16:25 |

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|-----|-----|--|---|----|----|---------------------|
| S14 | 1 | S10 and(encod\$3 or code) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/12/30 16:25 |
| S15 | 1 | S14 and (@ad<"20050913" or @rlad<"20050913" or @prad<"20050913" or @ptad<"20050913") | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/12/30 16:25 |
| S16 | 361 | skin adj body adj part | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/12/30 16:27 |
| S17 | 80 | S16 and(encod\$3 or code) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/12/30 16:27 |
| S18 | 73 | S17 and (@ad<"20050913" or @rlad<"20050913" or @prad<"20050913" or @ptad<"20050913") | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/12/30 16:28 |
| S19 | 0 | S18 and geometric adj measur\$4 and subsets and pixel\$1 and encod \$3 and digital adj code | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/12/30 16:28 |
| S20 | 0 | S18 and geometric adj measur\$4 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/12/30 16:28 |
| S21 | 0 | S16 and obtaining and digital adj code | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/12/30 16:31 |

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|-----|-----|---|---|----|----|---------------------|
| S22 | 4 | S16 and acquir\$3 adj skin | US_PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/12/30 16:32 |
| S23 | 0 | S22 and pixel\$1 and(encod\$3 or code) | US_PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/12/30 16:32 |
| S24 | 4 | S22 and(encod\$3 or code) | US_PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/12/30 16:32 |
| S25 | 3 | S24 and (@ad<"20050913" or @rlad<"20050913" or @prad<"20050913" or @ptad<"20050913") | US_PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/12/30 16:33 |
| S26 | 0 | S24 and @ad<"20050913" | US_PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/12/30 16:33 |
| S27 | 361 | S16 and (biometric or fingerprint or finger adj print or skin) | US_PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/12/30 16:35 |
| S28 | 1 | S16 and acquir\$3 adj(biometric or fingerprint or finger adj print or skin)same image\$1 | US_PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/12/30 16:36 |
| S29 | 0 | S28 and @ad<"20050913" | US_PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/12/30 16:36 |

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|-----|-----|---|---|----|----|---------------------|
| S30 | 261 | S27 and @ad<"20050913" | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/12/30 16:37 |
| S31 | 30 | S30 and acquir\$3 adj image\$1 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/12/30 16:38 |
| S32 | 30 | S30 and(acquir\$3 or obtaining)adj image\$1 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/12/30 16:38 |
| S33 | 18 | S30 and(acquir\$3 or obtaining)same image\$1 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/12/30 16:38 |
| S34 | 18 | S33 and @ad<"20050913" | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/12/30 16:39 |
| S35 | 8 | S34 and select\$3 and(contrast or intensity or brightness or grey or gray or shades or values)and pixel\$1 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/12/30 16:40 |
| S36 | 30 | S35 and identify\$3 and subsets and pixel\$1 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/12/30 16:41 |
| S37 | 30 | S35 and subsets | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/12/30 16:41 |

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|-----|----|---|---|----|----|---------------------|
| S38 | :0 | S35 and (subset or candidate) | US_PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/12/30 16:42 |
| S39 | :0 | S35 and (detect\$3 or determining)and geometric adj measur\$4 | US_PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/12/30 16:42 |
| S40 | :6 | S35 and (detect\$3 or determining)and geometric and measur\$4 | US_PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/12/30 16:43 |
| S41 | :0 | S40 and pixel\$1 and(encod\$3 or code) | US_PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/12/30 16:43 |
| S42 | :0 | S40 and (encod\$3 or code) | US_PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/12/30 16:43 |
| S43 | :6 | S35 and (detect\$3 or determining)and geometric | US_PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/12/30 16:44 |
| S44 | :6 | S43 and(biometric or fingerprint or finger adj print or skin) | US_PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/12/30 16:48 |
| S45 | :0 | S43 and(biometric or fingerprint or finger adj print) | US_PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/12/30 16:48 |

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|-----|----|--|--|----|----|---------------------|
| S46 | 0 | S35 and(biometric or fingerprint or finger adj print) | :US_PGPUB; :USPAT; EPO; :JPO; :DERWENT; :IBM_TDB | OR | ON | 2008/12/30 16:49 |
| S47 | 14 | S16 and (biometric or fingerprint or finger adj print) | :US_PGPUB; :USPAT; EPO; :JPO; :DERWENT; :IBM_TDB | OR | ON | 2008/12/30 16:49 |
| S48 | 12 | S47 and(acquir\$3 or obtaining)same image\$1 | :US_PGPUB; :USPAT; EPO; :JPO; :DERWENT; :IBM_TDB | OR | ON | 2008/12/30 16:50 |
| S49 | 3 | S48 and select\$3 and(contrast or intensity or brightness or grey or gary or shades or values)and pixel\$1 | :US_PGPUB; :USPAT; EPO; :JPO; :DERWENT; :IBM_TDB | OR | ON | 2008/12/30 16:51 |
| S50 | 1 | S49 and pixel\$1 and(encod\$3 or code) | :US_PGPUB; :USPAT; EPO; :JPO; :DERWENT; :IBM_TDB | OR | ON | 2008/12/30 16:51 |
| S51 | 0 | S50 and @ad<"20050913" | :US_PGPUB; :USPAT; EPO; :JPO; :DERWENT; :IBM_TDB | OR | ON | 2008/12/30 16:51 |
| S52 | 1 | S50 and (fingerprint or finger adj print) | :US_PGPUB; :USPAT; EPO; :JPO; :DERWENT; :IBM_TDB | OR | ON | 2008/12/30 16:53 |
| S53 | 0 | S52 and @ad<"20050913" | :US_PGPUB; :USPAT; EPO; :JPO; :DERWENT; :IBM_TDB | OR | ON | 2008/12/30 16:55 |

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|-----|-----|--|---|----|----|---------------------|
| S54 | 361 | S16 and (biometric or fingerprint or finger adj print or skin or skin adj body adj part) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/12/30 16:56 |
| S55 | 35 | S54 and(acquir\$3 or obtaining) same image\$1 same(biometric or fingerprint or finger adj print or skin or skin adj body adj part) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/12/30 16:57 |
| S56 | 1 | S55 and @ad<"20050913" | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/12/30 16:57 |
| S57 | 0 | S56 and select\$3 and(contrast or intensity or brightness or grey or gary or shades or values)and pixel\$1 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/12/30 17:00 |
| S58 | 0 | S56 and(contrast or intensity or brightness or grey or gary or shades or values)and pixel\$1 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/12/30 17:00 |
| S59 | 0 | S56 and(encod\$3 or code) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/12/30 17:00 |
| S60 | 0 | S56 and (subset or candidate) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/12/30 17:01 |
| S61 | 0 | S56 and(detect\$3 or determining)and geometric | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/12/30 17:01 |

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|-----|----|--|---|----|----|---------------------|
| S62 | 26 | S54 and(acquir\$3 or obtaining) same image\$1 | US_PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/12/30 17:06 |
| S63 | 3 | S62 and select\$3 and(contrast or intensity or brightness or grey or gary or shades or values)and pixel\$1 and (finger adj print or fingerprint) | US_PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/12/30 17:07 |
| S64 | 1 | S63 and(encod\$3 or code) | US_PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/12/30 17:07 |
| S65 | 0 | S64 and @ad<"20050913" | US_PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/12/30 17:07 |
| S66 | 18 | S62 and @ad<"20050913" | US_PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/12/30 17:08 |
| S67 | 14 | S16 and (biometric or fingerprint or finger adj print) | US_PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/12/30 17:10 |
| S68 | 13 | S16 and (fingerprint or finger adj print) | US_PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/12/30 17:10 |
| S69 | 8 | S68 and @ad<"20050913" | US_PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/12/30 17:10 |

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|-----|------|--|---|----|----|---------------------|
| S70 | 0 | S69 and(acquir\$3 or obtaining) same image\$1 same(fingerprint or finger adj print) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/12/30 17:11 |
| S71 | 2139 | (acquir\$3 or obtaining) same image\$1 same(fingerprint or finger adj print) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/12/30 17:11 |
| S72 | 680 | S71 and select\$3 and(contrast or intensity or brightness or grey or gary or shades or values)and pixel\$1 and (finger adj print or fingerprint) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/12/30 17:12 |
| S73 | 174 | S72 and(detect\$3 or determining)and geometric and measur\$4 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/12/30 17:12 |
| S74 | 0 | S72 and(detect\$3 or determining)and geometric adj measur\$4 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/12/30 17:13 |
| S75 | 136 | S73 and (subset or candidate) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/12/30 17:13 |
| S76 | 135 | S75 and(encod\$3 or code) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/12/30 17:13 |
| S77 | 119 | S76 and @ad<"20050913" | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/12/30 17:13 |

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|-----|----|---|---|----|----|---------------------|
| S78 | 23 | (acquir\$3 or obtaining) same image\$1 same(fingerprint or finger adj print or finger) same(minutiae or ridge or valley) same feature adj extract\$3 and location | US_PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/12/31 11:43 |
| S79 | 21 | S78 and (@ad<"20050913" or @rlad<"20050913" or @prad<"20050913" or @ptad<"20050913") | US_PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/12/31 11:44 |
| S82 | 1 | S80 and(encod\$4 or code or alphanumeric adj code) same(general\$3 or obtaining) | US_PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/12/31 11:48 |
| S83 | 1 | S82 and @ad<"20050913" | US_PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/12/31 11:50 |
| S84 | 23 | (acquir\$4 or obtaining) same image\$1 same(fingerprint or finger adj print or finger) same(minutiae or ridge or valley) same feature adj extract\$3 and location | US_PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/12/31 16:56 |
| S85 | 21 | S84 and (@ad<"20050913" or @rlad<"20050913" or @prad<"20050913" or @ptad<"20050913") | US_PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/12/31 16:57 |
| S86 | 1 | S85 and(encod\$4 or code or alphanumeric adj code) same(general\$3 or obtaining) | US_PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/12/31 16:57 |
| S87 | 1 | S86 and @ad<"20050913" | US_PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/12/31 16:58 |

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|-----|----|---|--|----|----|---------------------|
| S88 | 0 | S87 and platen | :US_PGPUB; :USPAT; EPO; :JPO; :DERWENT; :IBM_TDB | OR | ON | 2008/12/31 16:58 |
| S89 | 1 | S84 and platen | :US_PGPUB; :USPAT; EPO; :JPO; :DERWENT; :IBM_TDB | OR | ON | 2008/12/31 16:58 |
| S90 | 0 | S89 and(encod\$4 or code or alphanumeric adj code)same(general\$3 or obtaining) | :US_PGPUB; :USPAT; EPO; :JPO; :DERWENT; :IBM_TDB | OR | ON | 2008/12/31 16:59 |
| S91 | 3 | S84 and(encod\$4 or code or alphanumeric adj code)same(general\$3 or obtaining) | :US_PGPUB; :USPAT; EPO; :JPO; :DERWENT; :IBM_TDB | OR | ON | 2008/12/31 17:00 |
| S92 | 1 | S91 and @ad<"20050913" | :US_PGPUB; :USPAT; EPO; :JPO; :DERWENT; :IBM_TDB | OR | ON | 2008/12/31 17:00 |
| S93 | 0 | S85 and(encod\$4 or alphanumeric adj code)same(general\$3 or obtaining) | :US_PGPUB; :USPAT; EPO; :JPO; :DERWENT; :IBM_TDB | OR | ON | 2008/12/31 17:00 |
| S94 | 0 | S84 and(encod\$4 or alphanumeric adj code)same(general\$3 or obtaining) | :US_PGPUB; :USPAT; EPO; :JPO; :DERWENT; :IBM_TDB | OR | ON | 2008/12/31 17:01 |
| S95 | 19 | (fingerprint or finger adj print or finger)same(minutiae or ridge or valley)same feature adj extract\$3 and(encod\$4 or alphanumeric adj code)same(general\$3 or obtaining) | :US_PGPUB; :USPAT; EPO; :JPO; :DERWENT; :IBM_TDB | OR | ON | 2008/12/31 17:02 |

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|------|--------|---|---|----|----|---------------------|
| S96 | 15 | S95 and @ad<"20050913" | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/12/31 17:02 |
| S97 | 14 | S96 and platen | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/12/31 17:02 |
| S98 | 12 | S97 and(subset or candidate) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/12/31 17:07 |
| S99 | 12 | S98 and geometric and measur\$4 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/12/31 17:07 |
| S100 | 12 | S99 and select\$3 and(contrast or intensity or brightness or grey or gary or shades or values)and pixel\$1 and(finger adj print or fingerprint) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/12/31 17:08 |
| S101 | 672455 | (fingerprint or finger adj print or skin) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/01/03 18:13 |
| S102 | 17 | S101 and(plurality or plural\$1)same subsets same pixel\$1 same(encode\$4 or digital adj code or code\$3) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/01/03 18:16 |
| S103 | 16 | S102 and @ad<"20050913" | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/01/03 18:16 |

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|------|---|--|---|----|----|------------------|
| S104 | 5 | S101 same(plurality or plural\$1)same subsets same pixel\$1 same (encod\$4 or digital adj code or code\$3) | US_PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/01/03 18:21 |
| S105 | 0 | S104 and @ad<"20050913" | US_PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/01/03 18:23 |
| S106 | 6 | S102 and @ad<"20050913" | US_PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/01/03 18:26 |

EAST Search History (Interference)

| Ref # | Hits | Search Query | DBs | Default Operator | Plurals | Time Stamp |
|-------|------|--|-----------------------|------------------|---------|------------------|
| L65 | 1 | (digital adj code and skin adj covered adj body adj part and pixel\$1 and shades adj value and subset and geometric adj measure and encoding).CLM. | US_PGPUB; USPAT; UPAD | OR | ON | 2009/09/18 17:02 |

9/18/09 5:11:36 PM

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